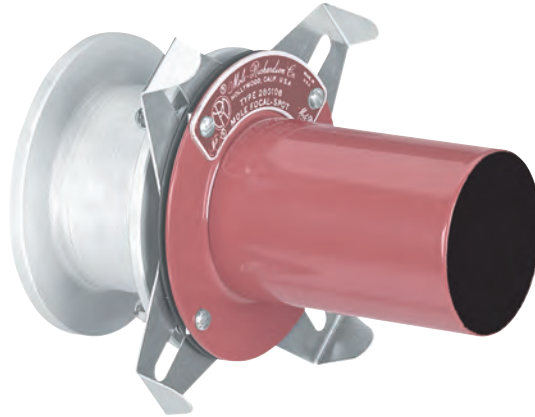




TYPE 280108

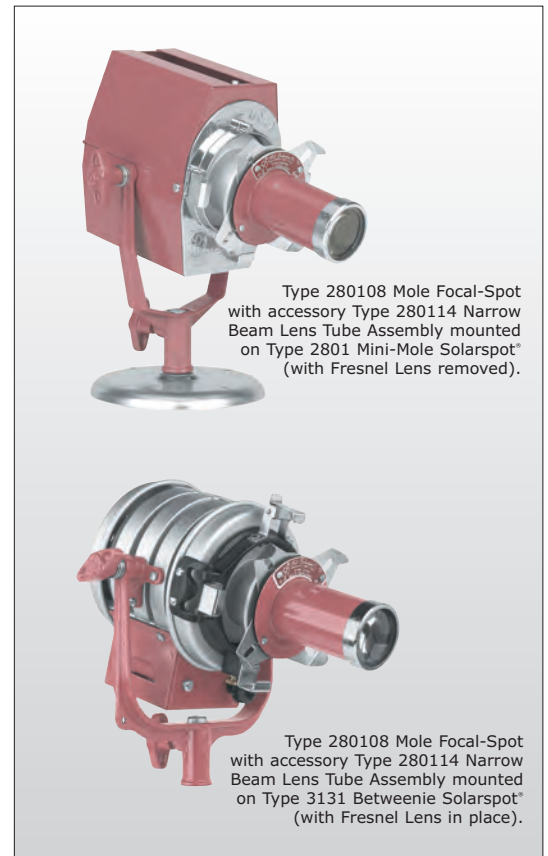
MOLE FOCAL SPOT



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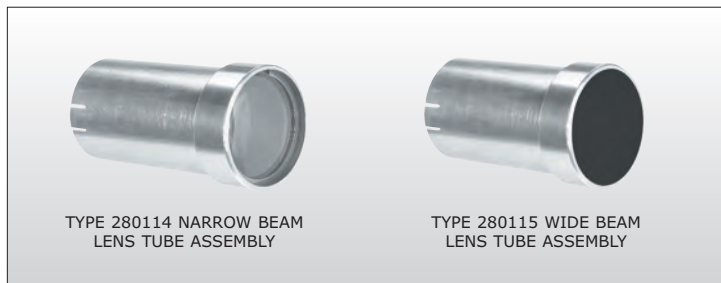
FEATURES

A new highly efficient Focal-Spot designed to mount in the diffuser clips of the Mini-Mole & the Betweenie Solarspot®, utilizing the Fresnel lens for more efficient illumination. The specially designed optical system produces a sharp outlined spot with a smooth field and a sharp cut off from the framing shutters. A slot is provided for Mole Designed Patterns and four different size aperture mats that may be inserted individually. With the addition of the 280195 Dip Stick (pattern holder), the complete line of Gam "E" Patterns (over 100 available) may be used. The lens and shutter assembly may be rotated 360 degrees. A diffuser retainer for colored gel or diffusion is available. For use in Motion Picture, Television, Theatrical Production, Digital or Still Photography where maximum intensity is required.



Type 280108 Mole Focal-Spot with accessory Type 280114 Narrow Beam Lens Tube Assembly mounted on Type 2801 Mini-Mole Solarspot* (with Fresnel Lens removed).

Type 280108 Mole Focal-Spot with accessory Type 280114 Narrow Beam Lens Tube Assembly mounted on Type 3131 Betweenie Solarspot* (with Fresnel Lens in place).



TYPE 280114 NARROW BEAM LENS TUBE ASSEMBLY

TYPE 280115 WIDE BEAM LENS TUBE ASSEMBLY



TYPE 280108

MOLE FOCAL SPOT



GLOBE TABLES

TYPE 2801 200 WATT MINI-MOLE

SOLARSPOT® Base double contact bayonet candelabra. Burn within 30° of vertical base-down. B-12, G-16^{1/2}, T-4 and T-8 bulbs; 1^{3/8}" L.C.L.

Watts	Ordering Code	Color Temp. °K	Finish	Volts	Life Hours	Amps
250	ESS	2950	Clear	120	2000	2.1
200	FEV	3200	Clear	120	50	1.7
200	FEV	3200	Clear	220	100	0.9
150	ESP	2900	Clear	120	1000	1.3
100	ESR	2850	Clear	120	750	0.8

TYPE 3131 300 WATT MOLEQUARTZ® BETWEENIE SOLARSPOT®

Base, 2-pin prefocus. Burn base-down to horizontal. T-6 bulb, 1.83" (32mm) L.C.L.

Watts	Ordering Code	Color Temp. °K	Finish	Volts	Life Hours	Amps
300	FKW	3200	Clear	120	200	2.5
300	FSK	3200	Clear	240	150	1.2

Globes not included in price of lamp.
See price list for complete details.

PERFORMANCE DATA

Mounted on **Type 2801 Mini-Mole Solarspot®** (with Fresnel Lens removed) using 200 watt, 120 volt, 3200°K quartz globe at maximum flood position.

Distance in Feet	Narrow Beam Using Type 280114 Lens Tube Assembly		Wide Beam Using Type 280115 Lens Tube Assembly	
	Light Intensity F.C.	Beam Diameter* Feet	Light Intensity F.C.	Beam Diameter* Feet
4	400	1.0	150	1.7
6	150	1.6	60	2.7
8	75	2.1	30	3.6
10	50	2.6	20	4.6
12	35	3.3	15	5.5
14	25	3.9	10	6.4
16	20	4.5	8	7.4

*Light tapers smoothly at edge of field. Dimensions listed define flat area boundaries at which the intensities are approximately 50% of tabulated intensities at beam center.

SPECIFICATIONS

FOCAL-SPOT: Type 280108.

NOTE: For **Type 2801 Mini-Mole Solarspot®** remove Fresnel Lens and insert Focal-Spot in place of Fresnel Lens.

NOTE: For **Type 3131 Betweenie Solarspot®** Fresnel Lens remains in place when attaching Focal Spot.

CONSTRUCTION: Anodized Aluminum machined parts and sheet steel spinnings.

LENS: Two 1.69" x 2.99" (43mm x 76mm) plano-convex condenser lenses. (Not included in price of unit)

APERTURE ASSEMBLY: Consist of four adjustable framing shutters and guides to contain Mats and Patterns.

SIZE: 3" dia. x 4^{3/4}" long.

FINISH: Baked maroon enamel and clear anodize.

WEIGHT: **FOCAL SPOT only.** 1 lb. 1 oz.

OBJECTIVE LENS ASSEMBLIES.

Type 280114 Narrow Beam Lens Tube Assembly having one 1.61" x 3.94" (41mm x 100mm) double-convex objective lens.

Type 280115 Wide Beam Lens Tube Assembly having one 1.58" x 2.52" (40mm x 64mm) double-convex objective lens.

FOCUSING: Lens Assemblies focus by retracting or extending within the travel tube.

WEIGHT: With Narrow Beam Assembly. 1 lb. 5 oz.

WEIGHT: With Wide Beam Assembly. 1 lb. 7 oz.

280344 Focal-Spot Kit

- 280109 Set of 4 Mats
Apertures: 3/16", 3/8", 5/8", and 7/8".
- 280110 Diffuser Retainer
- 280114 Narrow Beam Lens Tube Assembly
- 280115 Wide Beam Lens Tube Assembly
- 280195 Pattern Holder (For use with with "E" Patterns)



Type 280344 Focal-Spot Kit

Mounted on **Type 3131 Betweenie Solarspot®** (with Fresnel Lens in place) using 300 watt, 120 volt, 3200°K quartz globe 1.83" at maximum flood position.

Distance in Feet	Narrow Beam Using Type 280114 Lens Tube Assembly		Wide Beam Using Type 280115 Lens Tube Assembly	
	Light Intensity F.C.	Beam Diameter* Feet	Light Intensity F.C.	Beam Diameter* Feet
3	888	1.0	375	1.6
5	320	1.6	135	2.7
7	163	2.2	69	3.8
10	80	3.2	34	5.4
12	56	3.8	23	6.5

